Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_

**Biology: Transcription/Translation Simulation**

**DISCUSSION QUESTIONS**

How does DNA direct protein synthesis from inside the nucleus?

How does the RNA polymerase know which genes to bind to?

Describe the relationship between the sequence of the mRNA molecule and the amino acid sequence of the resulting protein.

What is the relationship between DNA and RNA?

What do you think the advantage is of containing DNA inside a nuclear membrane?